1 abic A.4.1.		- C - 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	le o Summary or Boring	Maximum				
Boring/	Total	Depth		PID				
Date/	Depth of	to	Lithologic Description ²	Response,	Sample	Sample ID		COC Concentrations greater than
Report	Boring	Water ¹	(Observation Notes)	ppm _v (Depth)	Type ³	(Depth)	Analyses ⁴	Delineation Criteria
S1419 1/15/03 Full RFI 2 nd Iter. SWMU 8	12	8?	Fill: 0-11 (red pulverized brick at 2-4; grayish brown stained, few glass fragments and catalyst beads at 5.5-6; red pulverized brick, minor black staining, water	47 (6.5-7)	P, U, F	S1419A3 (1-1.5)	BTEX, TOL	TOL: <2.4 mg/kg
			exhibits low viscosity, black LNAPL film, fly ash at 7.5-9)		DILE	C1410D2	DTEV	Decrease 19 mg/kg
			Clay and Peat: 11-12		P, U, F	S1419D2 (6.5-7)	BTEX, TOL	Benzene: 1.8 mg/kg TOL: <2.6 mg/kg
					P, S, F	S1419F2 (10.5-11)	BTEX, TOL	TOL: <2.3 mg/kg
S1418 1/15/03 Full RFI 2 nd Iter. SWMU 8	12	5	Fill: 0-11 (black staining pulverized brick at 5-6; black staining at 6-6.5; fly ash at 6.5-8)	121 (7-7.5)	P, U, F	S1418A4 (1.5-2)	BTEX, PAHs, TOL	TOL: <2.6 mg/kg
			Peat: 11-12		P,S, F	S1418D3 (7-7.5)	BTEX, PAHs, TOL	Benzene: 1.7 mg/kg (Impact toGgroundwater—not applicable) Benzo(a)anthracene: <2.2 mg/kg Benzo(a)pyrene: <2.2 mg/kg Benzo(b)fluoranthene: <2.2 mg/kg Benzo(k)fluoranthene: < 2.2 mg/kg Dibenzo(a,h)anthracene: <2.2 mg/kg Indeno(1,2,3-cd)pyrene: <2.2 mg/kg
					P, S, F	S1418F2 (10.5-11)	BTEX, PAHs, TOL	TOL: <2.5 mg/kg TOL: <2.3 mg/kg
\$1417 1/16/03 Full RFI 2 nd Iter. SWMU 8	20	9?	Fill: 0-11 (thin black staining at 2-2.5; fly ash, very minor sheen on water surface at 5-6)	230 (5-5.5)	P, U, F	S1417A4 (1-1.5)	BTEX, PAHs, Pb, TOL	TOL: <2.2 mg/kg
			Clay and Peat: 11-20		P, U, F	S1417C3 (5-5.5)	BTEX, PAHs, Pb, TOL	Benzene: 6.6 mg/kg TOL: <2.8 mg/kg
					P, S, F	S1417F2 (10.5-11)	BTEX, PAHs, Pb TOL	TOL: <2.4 mg/kg

10001011011		1 61 8 1111		Maximum				
Boring/	Total	Depth		PID				
Date/	Depth of	to	Lithologic Description ²	Response,	Sample	Sample ID		COC Concentrations greater than
Report	Boring	Water ¹	(Observation Notes)	ppm _v (Depth)	Type ³	(Depth)	Analyses ⁴	Delineation Criteria
S1416	12	3?	Fill: 0-10 (black stained red	109	P, U, F	S1416A4	BTEX, Pb	TOL: <2.2 mg/kg
1/15/03 Full RFI 2 nd Iter. SWMU 8	12	<i>J</i> .	pulverized brick at 2-3; black saturated sand at 3-4)	(2-3)	1,0,1	(1.5-2)	TOL	TOD. 2.2 mg/kg
			Peat: 10-12		P, U, F	S1416B2 (2.5-3)	BTEX, Pb, TOL	Benzene: 5 mg/kg
						(=:0 0)		TOL: <2.5 mg/kg
					P, S, F	S1416D1 (6-6.5)	BTEX, Pb TOL	TOL: <2.3 mg/kg
S1415 1/16/03 Full RFI 2 nd Iter. SWMU 8	16	8?	Fill: 0-13.5 (flyash, thin black LNAPL film on water surface at 8- 10; tin seam red brick fragments at 9.5-10)	696 (5-5.5)	O, U, F	S1415A4 (1.5-2)	BTEX, Pb, TOL	Lead: 1190 mg/kg TOL: <2.2 mg/kg
			Clay and Peat: 13.5-16		O, U, F	S1415C3 (5-5.5)	BTEX, Pb, TOL	Benzene: 5.3 mg/kg Lead: 19200 mg/kg TOL: 220 mg/kg
					O, S, F	S1415F4 (11.5-12)	BTEX, Pb, TOL	TOL: <2.3 mg/kg
S0830 (MW132) 8/20/02 Full RFI SWMU 8	16	5.2	Fill: 0-9 (strong fumes at 6-10) Clay and Sand: 9-15 (product-like material at 9-11)	1400 (7-7.5)	O, U, F	S0830A4 (1.5-2)	V, S, Pb, TOL	Lead: 1940 mg/kg
			Peat: 15-16		O, S, F	S0830D3 (7-7.5)	V, S, Pb, TOL, SPLP-Pb, Phys. Char.	Benzene: 1.3 mg/kg (Impact to Groundwater—not applicable) Benzo(a)pyrene: 0.77J mg/kg
							,	Lead: 91900 mg/kg TOL: 43.1 mg/kg
								SPLP Lead: 0.68 mg/L
					O, S, N	S0830H4 (15.5-16)	V, S, Pb, TOL	Lead: 15900 mg/kg TOL: 13.2JB mg/kg

Table A.T.I.	Eust 1	T G S T T T T		Maximum	iry treur B			
Boring/	Total	Depth		PID				
Date/	Depth of	to	Lithologic Description ²	Response,	Sample	Sample ID		COC Concentrations greater than
Report	Boring	Water ¹	(Observation Notes)	ppm _v (Depth)	Type ³	(Depth)	Analyses ⁴	Delineation Criteria
					Water	MW132 11/14/02	V, S, M, water quality	1,4-Dichlorobenzene: 250 ug/L Benzene: 700 ug/L Chlorobenzene: 580 ug/L Methylcyclohexane: 100 ug/L MTBE: 150 ug/L
								2-4-Dimethylphenol: 160JX ug/L 2-Methylnaphthalene: 180 ug/L Bis(2-ethylhexyl)phthalate: 170 ug/L Naphthalene: 310 ug/L Unknown TICS > 100 ug/L Arsenic: 37 ug/L Lead: 172 ug/L
\$0829 8/8/02 Full RFI SWMU 8	21	6?	Fill: 0-13 (black stained, NAPL oil like at 6-8; black stained clay, then sand, product like odor at 8-9)	1800 (7-8)	O, U, F	S0829A4 (1.5-2)	V, S, M, TOL	Iron: 25500 mg/kg Lead: 3210 mg/kg TOL: 2.9 mg/kg
			Clay and Peat: 13-21 (H ₂ S as high as 60 ppm)		O, U, F	S0829D3 (7-7.5)	V, S, Pb, TOL	Benzene: 40 mg/kg Cyclohexane: 150 mg/kg Ethylbenzene: 170 mg/kg Hexane: 140 mg/kg Xylene: 810 mg/kg Lead: 2020 mg/kg TOL: 69.6 mg/kg
					O, S, N	S0829J4 (19.5-20)	V, S, Pb, TOL	None None
\$0828 8/8/02 Full RFI SWMU 8	15	5.5	Fill: 0-14 (dark brown LNAPL film at 8-9) Peat: 14-16	254 (9-10)	O, U, F	S0828A2/A3 (0.5-1)	V, S, Pb, TOL	None
Simo					O, S, F	S0828E2/E3 (8.5-9)	V, S, Pb, TOL, SPLP Pb, Phys. Char.	Benzene: 1.4 mg/kg (Impact to Groundwater—not applicable)
					O, S, N	S0828H1 (14-14.5)	V, S, Pb, TOL	None
S0827 8/13/02	24	3.5	Fill: 0-12 (black stained sand at 1-2 and 3.56; slight product like odor	1000 (17.5-18)	O, U, F	S0827A3/A4 (1-2)	V, S, Pb, TOL	Benzo(a)pyrene: 0.68 mg/kg
Full RFI SWMU 8			at 3.5-6)					TOL: 125 mg/kg

Table A.4.1. East Yard SWMU 8 Summary of Boring Log and Analytical Data									
Boring/ Date/ Report	Total Depth of Boring	Depth to Water ¹	Lithologic Description ² (Observation Notes)	Maximum PID Response, ppm _v (Depth)	Sample Type ³	Sample ID (Depth)	Analyses ⁴	COC Concentrations greater than Delineation Criteria	
Keport	Doring	water	Clay and Peat: 12-15	ppm _v (Deptn)	O, S, F	S0827C2	V, S, Pb,	Benzene: 2 mg/kg (Impact to	
			Clay and Peat: 12-15		O, S, F	(4.5-5)	TOL	Groundwater—not applicable)	
			Clay: 15-24		O, S, N	S0827L4 (23.5-24)	V, S, Pb, TOL	Bis(2ethylhexyl) phthalate: 1300 mg/kg Benzo(a)pyrene: 0.83 mg/kg	
S0826 8/13/02 Full RFI AOC 6C	20	8	Fill: 0-12.5? (black tar like LNAPL at 3.9; LNAPL sheen at 8.5-9) Peat: 12.5-13? Clay: 13-20	200 (9-10)	P, U, F	S0826A4 (1.5-2)	V, S, M	Iron: 29900 mg/kg	
			,		P, S, F	S0826E2 (8.5-9)	V, S, M	None	
					P, S, N	S0826H1 (14-14.5)	V, S, M	Iron: 42900 mg/kg	
A6CTP1 (S0861) 9/30/02 full RFI AOC 6C	14	6	Fill: 0-14 (black fragments at 1-3) Peat: 14	1 (12)	P, U, F	S0861A4 (1.5-2)	V, S, M	Arsenic: 26.3 mg/kg Iron: 38500 mg/kg	
					P, U, F	S0861C4 (5.5-6)	V, S, M	Iron: 47900 mg/kg	
					P, S, N	S0861 H3 (15-15.5)	V, S, M	Iron: 47600 mg/kg	
HP0103 9/9/97 1st Groundwater SWMU 8	10	5	See SB0076	420	Water	HP0103	V, S, Pb	1,4Dichlorobenzene: 88 ug/l Benzene: 69 ug/l Benzenethiol: 16 ug/l Chlorobenzene: 1100 ug/l Lead: 839 ug/l	
HP0117 9/17/97 1 st Groundwater AOC6C	12	8.5	See SB0180	0	Water	HP0117A	V, S, M	Benzene: 6 ug/L Antimony: 29.5 ug/L Arsenic: 208 ug/L Chromium: 204 ug/L Lead: 997 ug/L Nickel: 157 ug/L Vanadium: 229 ug/L	
SB0236 6/21/96 1 st Soils SWMU 8	12	4	Fill: 0-10.5 (tr catalyst beads at 2-5; petroleum odor and staining at 4.5-6; petroleum odor at 6-8) Meadow mat: 11-12	40 (4-6)	O, S, F	SB0236SC (4-6)	V, S, Pb, TEL	None	
	l	l	171CauOw mat. 11-12				l		

Table A.4.1.	Last 1 a	I u S W IV	TO 8 Summary of Boring		ilytical D	ata		
				Maximum				
Boring/	Total	Depth		PID				
Date/	Depth of	to	Lithologic Description ²	Response,	Sample	Sample ID		COC Concentrations greater than
Report	Boring	Water ¹	(Observation Notes)	ppm _v (Depth)	Type ³	(Depth)	Analyses ⁴	Delineation Criteria
SB0235	12	6	Fill: 0-12 (petroleum staining at 4-	0	O, S, F	SB0235SF	Pb, TEL	None
6/21/96			6; Petroleum odor at 6-8.5;		, ,	(10-12)		
1st Soils			petroleum odor, black staining at			,		
SWMU 8			10-11					
SB0234	14	6	Fill: 0-14 (petroleum odor at 8-	7	O, S, F	SB0234SE	Pb, TEL	None
6/21/96			10.5)	(8-10)		(8-10)		
1st Soils			,	, ,		. ,		
SWMU 8			Meadow mat: 14					
SB0233	14	4	Fill: 0-14 (petroleum odor at 9-	145	O, S, F	SB0233SF	V, S, Pb,	None
6/21/96			11.4, staining at 9-10; petroleum	(8-10)		(10-12)	TEL	
1st Soils			odor, black staining at 14-14.3)					
SWMU 8								
			Peat: 14					
SB0232	12	3.8	Fill: 0-12 (petroleum odor at 5.5-	273	O, S, F	SB0232SC	Pb, TEL	None
6/21/96			10.4)	(4-6)		(4-6)		
1st Soils								
SWMU 8								
SB0231	12	4	Fill: 0-11.5:	0	O, U, F	SB0231SB	V, S, Pb,	None
6/21/96						(2-4)	TEL	
1st Soils			Meadow mat: 11.5-12 (black)					
SWMU 8								
SB0207	12	6.5	Fill: 0-9.6	0	P, S, F	SB0207SE	Pb, TEL	None
4/12/96						(8-10)		
1 st Groundwater			Silt and clay, little peat: 9.6-12					
SWMU 25	10		771 0 10 () 1 1 1 1 1		0.0.0	GD0202GF	** G ***	27
SB0202	12	6	Fill: 0-10 (catalyst beads; black	0	O, S, F	SB0202SE	V, S, Pb,	None
4/12/96			staining at 2.2-4)			(8-10)	TEL	
1 st Soils			Post, 10					
SWMU 25 SB0076	8	6	Peat: 10 Fill : 0-8	250	OSE	SB0076SD	V, S, Pb,	Benzene: 750 mg/kg
SB0076 11/16/95	8	0	FIII: U-8		O, S, F		V, S, Pb, TEL	Benzene: 750 mg/kg Benzenethiol: 90E mg/kg
1st Soils				(6-8)		(6-8)	IEL	Ethylbenzene: 410 mg/kg (Impact to
SWMU8								Groundwater—not applicable)
S W IVI O 6								Toluene: 2400 mg/kg
								Xylenes: 2300 mg/kg
								Aylenes. 2500 mg/kg
								2,4-Dimethylphenol: 250E mg/kg (Impact
								to Groundwater—not applicable)
								Benzo (a)pyrene: 0.94 mg/kg
								Naphthalene: 180E mg/kg (Impact to
								Groundwater—not applicable)
								Lead: 145000 NE mg/kg
								TEL: 2400 mg/kg

Boring/ Date/ Report	Total Depth of Boring	Depth to Water ¹	Lithologic Description ² (Observation Notes)	Maximum PID Response, ppm _v (Depth)	Sample Type ³	Sample ID (Depth)	Analyses ⁴	COC Concentrations greater than Delineation Criteria
U008010 11/15/95 1 st Soils SWMU 8	8	6	Fill: 0-8 (gray to black staining at 2-4; petroleum on tip of spoon at 4-6)	48 (2-4)	None			
B32 10/7/91 DOCC (App. S) AOC 6C					О	B32 (10.5-11)	TPH, V, S, M	TPH: 2700 mg/kg
					0	B32 (14.5-15)	TPH	None
					О	B32 (19.5-20)	TPH	None
SB-15 8/15/91 D. Raviv, DOCC	12	4.79			Water	SB15 (1/6/03)	V, S, M, water quality	None

NOTES:

Benzene and benzo(a)pyrene are highlighted in bold because they are indicator constituents of concern (COCs)

Shaded rows indicate samples collected from nearby SWMUs/AOCs

 $ppm_v = parts per million (volume basis)$

All depths referenced on this summary table are in feet below the ground surface.

PID = Photoionization detector.

ID = Identifier.

mg/kg = milligrams per kilogram (equivalent to parts per million).

 μ g/L = micrograms per liter (equivalent to parts per million).

¹Depth to water as observed during borehole advancement.

²"Fill" encountered within the completed borings was characteristically described as an asphalt layer (typical) underlain by a heterogeneous gravel to clay mixture of unconsolidated materials, ranging in color from tan to gray with occasional construction debris (e.g., brick) present. In some locations, the fill material is further characterized by containing a slag or beaded material, in which case it is noted within the table. Also noted on the table are any other olfactory or visual observations that indicate potential petroleum-type impacts within the fill unit were observed.

³P - property boundary, O - on-site, U - unsaturated, S - saturated, F - fill, N - native. "None" indicates that no sample was collected.

⁴V - VOCs, S - SVOCs, M - metals, Pb - lead, TOL - total organic lead, TEL - tetraethyl lead, TPH - Total Petroleum Hydrocarbons; SPLP -- Synthetic Precipitation Leaching Procedure; -Phys. Char. -- physical characteristics.